

What is claimed is:

1. A substrate comprising:
 - a pair of metal bases;
 - a first heat insulation layer disposed between the 5 metal bases;
 - a second heat insulation layer securely mounted on the metal bases; and
 - mounting means for mounting an LED on the substrate.
2. The substrate according to claim 1 wherein the 10 mounting means comprises a pair of circuit patterns securely mounted on the second heat insulation layer, the LED is securely mounted on both the circuit patterns.
3. The substrate according to claim 1 wherein the mounting means comprises a hole formed in the second heat 15 insulation layer to expose surfaces of metal bases, the LED is securely mounted on the metal bases.
4. The substrate according to claim 2 further comprising upper and lower electrodes provided on an upper surface of the circuit patterns and on undersides of the metal 20 bases.
5. The substrate according to claim 2 wherein one of the metal bases is different from the other metal base in size of sectional shape.